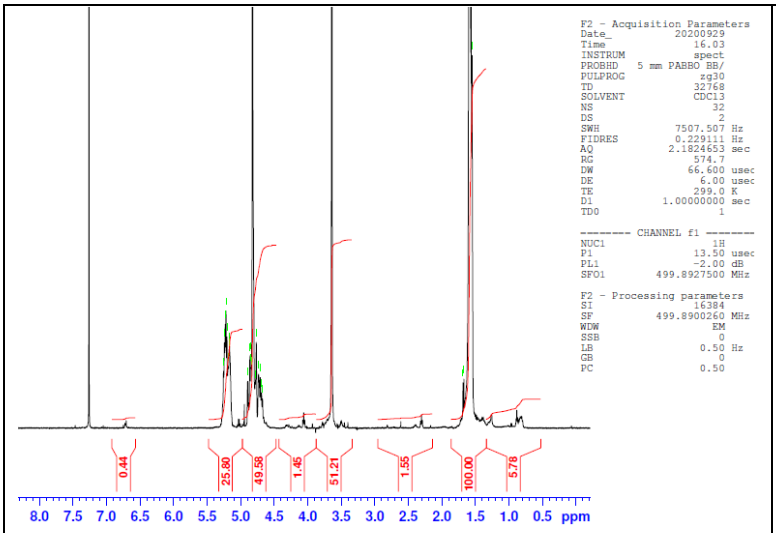
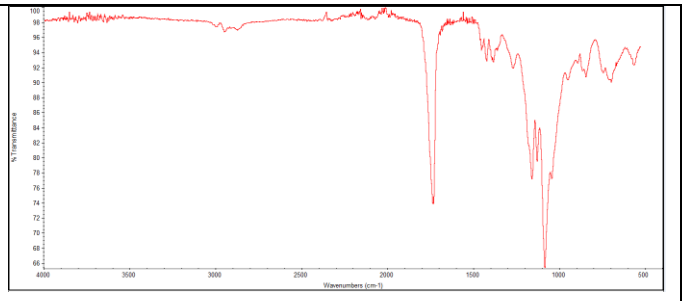
No. AI110 Certificate of Analysis

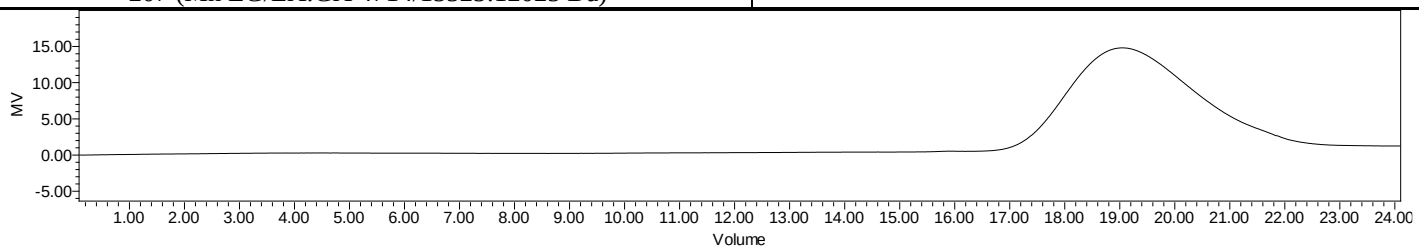
Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-Maleimide Copolymers (M_w ~30,000-5,000Da) (Lot#: 200918RAI-A)



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA-PEG copolymer: EG/LA-GA =107/216-207 (Mn EG/LA:GA 4714/15525:12025 Da)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.

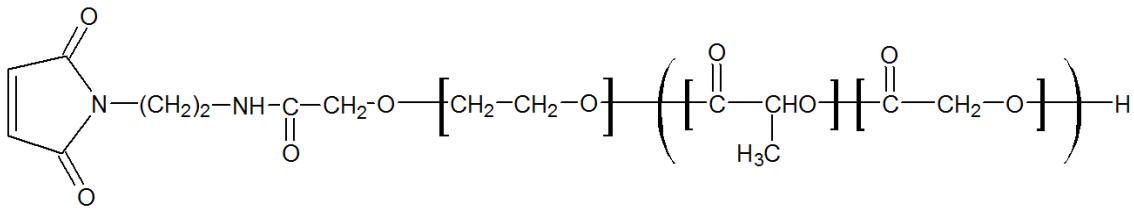


GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA-PEG-Mal	32,510	50,243	1.55
PEG-Precursor*	4700*		

*- from MFG data

- **Structure of PLGA-PEG-Mal copolymers**



PolySciTech Division of Akina, Inc. | 3495 Kent Avenue, West Lafayette, IN 47906
765-464-0390 | www.polyscitech.com
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